

ALLIA.62F1C3

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Schutt et al.  
 Appl. No. : 08/841,847  
 Filed : May 5, 1997  
 For : OSMOTICALLY STABILIZED  
 MICROBUBBLE  
 PREPARATIONS  
 Examiner : Gary E. Hollinden

## CERTIFICATE OF FAX TRANSMISSION

I hereby certify that this correspondence and all marked attachments are being facsimile transmitted to the Patent and Trademark Office on the date shown below:

November 5, 1999

(Date)

James J. Mullen III, Ph.D., Reg. No. 44,957

AMENDMENT AFTER FINAL

Assistant Commissioner for Patents  
 Washington, D.C. 20231  
 Box AF

Dear Sir:

In response to the final Office Action mailed July 8, 1999, please amend the application as follows:

IN THE CLAIMS:

62. (Twice Amended) A microbubble preparation comprising a aqueous medium having dispersed therein a plurality of osmotically stabilized microbubbles, said microbubbles comprising:

a generally spherical microbubble membrane containing at least one gas osmotic agent and at least one nonfluorocarbon modifier gas, wherein said gas osmotic agent and said modifier gas are present in a fixed molar ratio effective to stabilize said microbubble preparation with the proviso that said modifier gas is not water vapor, and wherein said gas osmotic agent is selected from the group consisting of perfluoropentane, perfluorocyclopentane, perfluoromethylcyclopentane, perfluorodimethylcyclobutane, perfluorohexane, perfluorocyclohexane, perfluoroheptane, perfluorocycloheptane, perfluoromethylcyclohexane,